

CLAIMS

- 1 An element for modulating area using a system in which occupation area is changed by molecular structure change induced by electric field.
- 2 The element for modulating area according to claim 1,
the area modulating element consisting of complex of organic molecule having anisotropy of dielectric constant and including side chains each of which structure is changed under application of electric field, and metallic ion.
- 3 The element for modulating area according to claim 2,
wherein the side chain takes normal (straight) chain shape, and is bonded to substantially the disc-shaped organic molecule.
- 4 The element for modulating area according to claim 3,
wherein solution of organic metallic complex molecule consisting of the organic molecule having the side chain or chains is disposed on a first electrode for applying the electric field, and a second electrode for applying the electric field is provided on the solution directly or through an insulating layer, whereby phase separation state of the solution is changed in correspondence with the electric field.